

06/06/01

1064 U.S. PRO

Please type a plus sign (+) in this box ☐UTILITY  
PATENT APPLICATION  
TRANSMITTAL

Attorney Docket No.	ORT-1448
First Inventor	QIN, Ning
Title	THE HUMAN VOLTAGE GATED SODIUM CHANNEL SUBUNIT AND METHODS OF USE
Express Mail Label No.	EL710606774US

JC872 U.S. PRO

09/83456

06/06/01

## APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
3. ☒ Specification [Total Pages 93]  
(Preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets 5]
5. Oath or Declaration Total Pages 3
  - a. ☒ Unexecuted (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

18. ☐ If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No.: , filed  
Prior application information: Examiner Group Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

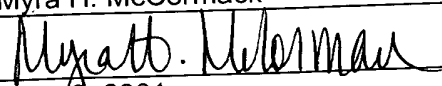
☒ Customer Number or Bar Code Label 000027777 or ☐ Correspondence Address below

Name: Philip S. Johnson, Esq.  
Address: Johnson & Johnson  
One Johnson & Johnson Plaza  
New Brunswick, NJ 08933-7003 USA

## 20. TELEPHONE CONTACT

Please direct all telephone calls or telefaxes to Myra H. McCormack at:  
Telephone: (732) 524-6932 Fax: (732) 524-2808

## 21. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

NAME	Myra H. McCormack	Reg. No. 36, 602
SIGNATURE		
DATE	June 6, 2001	

<b>FEE TRANSMITTAL</b>	<i>Complete if Known</i>	
	Application Number	
	Filing Date	June 6, 6001
	First Named Inventor	QIN, Ning
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	ORT-1448


### FEE CALCULATION

#### CLAIMS AS FILED

(1)	(2)	(3)	(4)	(5)
FOR:	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE
				\$710.00
TOTAL CLAIMS	35 - 20 =	15	x 18.00	\$ 270.00
INDEPENDENT CLAIMS	20 - 3 =	17	x 80.00	\$ 1360.00
MULTIPLE DEPENDENT CLAIMS	<input type="checkbox"/>	N/A	\$270.00	
			TOTAL FEES	\$ 2340.00

### METHOD OF PAYMENT

- ☒ Please charge Deposit Account No. 10-0750/ORT-1448/MHM in the amount of \$2340.00.  
Three copies of this sheet are enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the filing of this communication, or credit any overpayment, to Account No. 10-0750/ORT-1448/MHM. Three copies of this sheet are enclosed.

<b>SUBMITTED BY:</b>		<i>Complete (if applicable)</i>
Typed or Printed Name	Myra H. McCormack	Reg. No. 36,602
Signature		Date: June 6, 2001
		<b>Deposit Account No. 10-0750</b>

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Applicant: QIN et al.

For : THE HUMAN VOLTAGE GATED SODIUM CHANNEL B1A SUBUNIT  
AND METHODS OF USE

Express Mail Certificate

"Express Mail" mailing number: EL71060677US

Date of Deposit: June 6, 2001

I hereby certify that this complete application, including specification pages, claims, and informal drawings, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

A Combined Declaration and Power of Attorney will be submitted to the United States Patent and Trademark Office upon receipt of the U.S. Serial Number for this patent application.

Debra A. Wojcik

(Typed or printed name of person mailing paper or fee)

*Debra A. Wojcik*

(Signature of person mailing paper or fee)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: QIN et al.

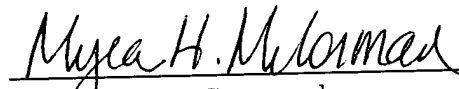
For: THE HUMAN VOLTAGE GATED SODIUM CHANNEL  $\beta$ 1A  
SUBUNIT AND METHODS OF USE

Filed: June 6, 2001

Serial No: TBD

VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I hereby verify that the computer readable diskette enclosed herewith includes the same information as provided in the Sequence Listing of the subject application, and that this statement is made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

  
Myra H. McCormack  
Reg. No. 36,602

DATE: June 6, 2001